

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Ace Link Industrial Inc.

Project No.: PR160162-6

Test Date: 05/27/2022

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Test Panel Description: Torso plate. Model no.: B-AP-4-1012-SIC-MC-SA.

Manufacturer: Ace Link Industrial Inc.

Sample No.: (.30-cal APM2, V0) B-AP-4-1012-SIC-MC-SA

Size: 10.00 x 12.00 in
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 5.900 lbs
Plies/Laminates: N/A

Date Received: 05/26/2022
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: NIJ-STD-0101.06
Level IV
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 37.000, 37.333,
46.666, 47.000
Primary Vel. Location (ft): 42.000
Range to Target (ft): 50.200
Target to Witness (in): 0.000

Range No.: Range 2
Temp: 70.1 °F
BP: 29.8 inHg
RH: 45.7 %
Barrel/Gun: WC075139
Gunner: Keivin Guzman
Recorder: Matt Skrocki

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .30-06 cal, 166-grain APM2	AYR23	Military	N133

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 11:30 AM; Block No. WC074169; Temp: 97.8 °F; Drop Depths: 17.2 mm, 18.6 mm, 20 mm, 17 mm, 19.1 mm

(1) NIJ-STD-0101.06 Level IV (Modified)

(2) Customer Request

Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	42.5	163.2	3504	2854	3275	2850	2852	None	26.6	0	
2	1	42.7	163.2	3502	2856	3272	2852	2854	None	38.9	0	
3	1	42.9	163.2	3451	2898	3221	2898	2898	None	NA	0	

Remarks:

Required Velocity: 2850 - 2910 ft./s.

Projectile Yaw Check: 0° Yaw on All Impacts.

Footnotes:

N/A